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AMENDMENTS TO THE SPECIFICATION

The specification is amended as follows.

The paragraph beginning on page 1, line 6 is replaced with the following amended paragraph.

This application is related to TRW Docket No. 22-0132, titled "Beam Hopping Self Addressed Packet Switched Communication System with Multi-port Memory", filed June 21, 2000 as serial No.09/599,035 (now abandoned), TRW Docket No. 22-0124, titled "Beam Hopping Self Addressed Packet Switched Communication System with Power Gating", filed June 21, 2000 as serial No. 09/599,041; TRW Docket No. 22-0133, titled "Beam Hopping Self Addressed Packet Switched Communication System with Multiple Beam Array Antenna", filed June 21, 2000 as serial No. 09/599,150.

The paragraph beginning on page 12, line 16 is replaced with the following amended paragraph.

During operation, the bandwidth switch 200 accepts baseband data from the router 204 (e.g., an Asynchronous Transfer Mode (ATM) cell router), and creates a waveform to be transmitted using the waveform processing chain. The waveform processing starts by directly converting baseband I and Q data to an intermediate frequency of, for example, 750 MHz. The waveform processing then selects one of F1 (e.g., 3.175 MHz) and F2 (e.g., 3.425 MHz) and one of F3 (e.g., 16 GHz) and F4 (e.g., 17.4 GHz) to produce a waveform to be transmitted with a final center frequency at one of 18.425 GHz, 18.675 GHz, 19.825 GHz, and 20.075 GHz. The scheduler 204 202 monitors the propagation of data through the waveform processing chain and determines the color of the waveform to be transmitted. To that end, the scheduler 204 202

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provides the color selection output 216 that indicates, as examples, the frequency, polarization, and hop location for the waveform to be transmitted.

The paragraph beginning on page 27, line 15 is replaced with the following amended paragraph.

Additional details of the frame format, coding, interleaving, and scrambling may be found in TRW Docket No. 22-0125, U.S. Patent Application Serial No. 09/599,040, filed June 21, 2000, entitled "Downlink Beam Hopping Waveform" which application is incorporated herein by reference in its entirety.

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